

## Contents

<b>1 Routine/Function Prologues</b>	<b>2</b>
1.0.1 noah_coldstart.F90 (Source File: noah_coldstart.F90) . . . . .	2

## 1 Routine/Function Prologues

### 1.0.1 noah\_coldstart.F90 (Source File: noah\_coldstart.F90)

Routine for noah initialization from cold start

INTERFACE:

```
subroutine noah_coldstart()
```

USES:

```
use lisdrv_module, only: lis
use noah_varder
use time_module
use spmdMod, only: iam
```

CONTENTS:

```
if ( lis%o%startcode == 2 ) then
    print*, 'MSG: noah_coldstart -- cold-starting noah', &
             '...using ics from card file', (', iam, ')
    print*, 'DBG: noah_coldstart -- nch', lis%d%nch, &
             ' (', iam, ')'
    do t=1,lis%d%nch
        noah(t)%t1=noahdrv%noah_it
        noah(t)%t1=280.0
        noah(t)%cmc=0.0004
        noah(t)%snowh=0.0
        noah(t)%sneqv=0.0
        noah(t)%ch=0.0150022404
        noah(t)%cm=0.0205970779
        do l=1,4
            noah(t)%stc(l)=noahdrv%noah_it
        enddo
        noah(t)%smc(1)=0.3252287
        noah(t)%smc(2)=0.3194746
        noah(t)%smc(3)=0.3172167
        noah(t)%smc(4)=0.3078052
        noah(t)%sh2o(1)=0.1660042
        noah(t)%sh2o(2)=0.2828006
        noah(t)%sh2o(3)=0.3172163
        noah(t)%sh2o(4)=0.3078025
    enddo
    lis%t%yr=lis%t%syr
    lis%t%mo=lis%t%smo
    lis%t%da=lis%t%sda
    lis%t%hr=lis%t%shr
    lis%t%mn=lis%t%smn
    lis%t%ss=lis%t%sss
```

```
call date2time(lis%t%time,lis%t%doy,lis%t%gmt,lis%t%yr,&
               lis%t%mo,lis%t%da,lis%t%hr,lis%t%mn,lis%t%ss)
write(*,*)'MSG: noah_coldstart -- Using lis.crd start time ',&
           lis%t%time, ' (', iam, ')'
write(79,*)'MSG: noah_coldstart -- Using lis.crd start time ',&
           lis%t%time, ' (', iam, ')'
endif
```